

REPORTED BY:  
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1       SACRAMENTO, CALIFORNIA, APRIL 19, 2000 - 10:15 A.M.

2                               \* \* \* \* \*

3               CHAIRMAN EATON: Good morning, everyone, and  
4 welcome to the second day of the April board meeting of  
5 the California Integrated Waste Management Board.

6               Before I begin, Madam Secretary, if you would  
7 please call the roll and establish a quorum.

8               BOARD SECRETARY: Board Members Jones.

9               BOARD MEMBER JONES: Here.

10              BOARD SECRETARY: Roberti.

11              BOARD MEMBER ROBERTI: Here.

12              BOARD SECRETARY: Moulton-Patterson.

13              BOARD MEMBER MOULTON-PATTERSON: Here.

14              BOARD SECRETARY: Chairman Eaton.

15              CHAIRMAN EATON: Here.

16              Ms. Tobias, do we have to do any formal action  
17 to dissolve the ad hoc committee that was meeting  
18 yesterday afternoon?

19              MS. TOBIAS: I don't think so. We said at the  
20 beginning that that would dissolve upon establishment of  
21 a quorum this morning. So since it is an ad hoc  
22 committee by its name, I think it just dissolves.

23              CHAIRMAN EATON: Okay. For those of you in the  
24 audience who may be here on any of today's remaining  
25 items on the agenda, there are speaker slips in the back.

1 If you would kindly fill one out and with the appropriate  
2 number and bring them forward to -- we have Ms. Jeannine  
3 Bakulich, who will be happy to process them and make sure  
4 that when the item does come up for discussion, that you  
5 will have time to address the Board.

6 Finally, we had reports from yesterday, unless  
7 there's any additional reports.

8 BOARD MEMBER ROBERTI: I gave you my report.

9 CHAIRMAN EATON: Other than the flight from hell  
10 and that.

11 Mr. Jones, anything additional?

12 BOARD MEMBER JONES: No.

13 CHAIRMAN EATON: All right. We'll start with ex  
14 parte communications.

15 Mr. Jones.

16 BOARD MEMBER JONES: Up to speed.

17 CHAIRMAN EATON: Ms. Moulton-Patterson.

18 BOARD MEMBER MOULTON-PATTERSON: I said "hello"  
19 to John Cupps and George Larsen yesterday afternoon.

20 BOARD MEMBER ROBERTI: Nothing.

21 CHAIRMAN EATON: Just a bunch of valley  
22 residents.

23 BOARD MEMBER ROBERTI: Bunch of valley  
24 residents, I'm on the "garbage board."

25 (Laughter)

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1           CHAIRMAN EATON: You're picking up that  
2 terminology from Mr. Jones. I tell you "recycler."

3           (Laughter)

4           CHAIRMAN EATON: I only have one ex parte to  
5 report. This morning I spoke with Stan Dixon, Gerald  
6 Kingshoffer and John Murray from Humboldt regarding an  
7 issue that's going to be taking place in closed session  
8 today.

9           So with that, we do have any reports from --  
10 Mr. Chandler's not here, so the two issues to be decided  
11 is whether or not we want to hear from Ms. Fish in her  
12 official capacity of taking over for two weeks, who loves  
13 to be here, and the second one is that when Mr. Chandler  
14 is not here, do we allow the delegation to flow to  
15 Ms. Fish.

16          MS. FISH: This could be my big chance.

17          CHAIRMAN EATON: Absolutely. Absolutely.

18          MS. FISH: There is no report.

19          CHAIRMAN EATON: Okay.

20          Then let me kind of just recap for the public as  
21 well as for Board Members. Yesterday the ad hoc  
22 committee approved Items 22, 24, 31, 32, 34, 40, 41, 42,  
23 43, 44. I don't believe -- I have 45 on my list, but I  
24 don't think that was an action item. If I'm not  
25 mistaken, it was just an informational item.

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1           There remains to be heard, at least in its  
2   entirety, Items 16 and 17. Does anyone have anything  
3   different? Okay.

4           BOARD MEMBER JONES: Mr. Chairman.

5           CHAIRMAN EATON: Mr. Jones.

6           BOARD MEMBER JONES: 33, I don't think we had to  
7   make a motion but we did make a motion, if it matters or  
8   not, that that went out for another 15 days. Just point  
9   of information, I guess.

10          CHAIRMAN EATON: So the question is, Senator,  
11   one of the things that was done yesterday, as counsel  
12   advised, that these matters that I just announced that  
13   were approved yesterday were recommended by the ad hoc  
14   committee, I believe, each time on a 3-0 vote. One of  
15   the options that we had was to put that on a consent  
16   calendar today and just vote that as one entire block as  
17   approving or if in your --

18          BOARD MEMBER ROBERTI: I think that's fine.

19   We've reviewed them so I'm going to vote "aye."

20          CHAIRMAN EATON: If you wanted to pull any of  
21   them off. Okay. But you do have the option if any of  
22   those -- okay. All right.

23          So what I would propose is to make a motion that  
24   we adopt --

25          BOARD MEMBER ROBERTI: On 44 and 45, I'm told

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1 let's pull those.

2 CHAIRMAN EATON: 45 would not be part of the  
3 motion because we didn't vote on 45 because that was just  
4 information.

5 BOARD MEMBER ROBERTI: I just want to speak to  
6 the issue on 45, so pull that for a vote.

7 CHAIRMAN EATON: And 44?

8 BOARD MEMBER ROBERTI: 44 and 45.

9 CHAIRMAN EATON: Okay. Absolutely.

10 So I would propose that the Board adopt the  
11 following resolution and recommendation of the ad hoc  
12 committee that the consent calendar consist of Items 22,  
13 24, 31, 32, motion on 33, Item 34, 40, 41, 42 and 43.

14 BOARD MEMBER JONES: I'll second.

15 CHAIRMAN EATON: Okay.

16 BOARD MEMBER MOULTON-PATTERSON: Second.

17 CHAIRMAN EATON: I had two seconds.

18 BOARD MEMBER JONES: No, Ms. Moulton-Patterson.

19 CHAIRMAN EATON: All right.

20 Mr. Eaton moves and Ms. Moulton-Patterson

21 seconds that we adopt the ad hoc committee's

22 recommendations as a consent calendar for today

23 consisting of Items 22, 24, 31, 32, motion for 33, 34,

24 40, 41, 42, and 43.

25 Madam Secretary, would you please call the roll.

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1           BOARD SECRETARY: Board Members Jones.

2           BOARD MEMBER JONES: Aye.

3           BOARD SECRETARY: Roberti.

4           BOARD MEMBER ROBERTI: Aye.

5           BOARD SECRETARY: Moulton-Patterson.

6           BOARD MEMBER MOULTON-PATTERSON: Aye.

7           BOARD SECRETARY: Chairman Eaton.

8           CHAIRMAN EATON: Aye.

9           Okay. So what we will do is -- is there any

10 real preference whether we go to the informational items,

11 16 and 17, or dispense of Items 44 and 45? Probably

12 easier to deal with those that have consideration, which

13 would be 44, I believe.

14           BOARD MEMBER ROBERTI: That's fine. I just want

15 to make a statement on that.

16           CHAIRMAN EATON: Sure. Absolutely. Item Number

17 44. And I'm just trying to look for my -- Mr. Leary,

18 that would be consideration of the proposed emergency

19 regulations, playground safety. Correct? Okay. Did

20 you --

21           BOARD MEMBER ROBERTI: On that --

22           CHAIRMAN EATON: You wanted to make a statement.

23           BOARD MEMBER ROBERTI: I agree with the

24 subcommittee's affirmative recommendations. However,

25 within the playground safety and recycling grants, our

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1 staff operates on the basis that playground does not  
2 include swimming pools. It is not of enormous import for  
3 this specific item because we're dealing with grammar  
4 schools, that's what I call them, which --

5 CHAIRMAN EATON: That's sort of an oxymoron.

6 (Laughter)

7 BOARD MEMBER ROBERTI: That's for sure. Do they  
8 even know what grammar is? Which probably don't have --  
9 but I think there would probably be very few, if any,  
10 that have swimming pools.

11 Nevertheless, if we're talking about playground  
12 safety and recycling grants, I think it's dangerous to be  
13 operating on a playground definition that does not  
14 include swimming pools because the definition in one part  
15 of the law often acts as a precedent for other parts of  
16 the law. Most playgrounds -- there are more playground  
17 accidents at swimming pools than anywhere else, and it's  
18 not only a supervisory problem, it has to do with  
19 equipment as well -- just off the top of my head, diving  
20 boards, the cleaning equipment that snakes through the  
21 pool, the lip on the edge of the swimming pool, children  
22 have different grabbing capacity than adults do, just a  
23 number of things cause problems and drowning is a major  
24 cause of accidents.

25 So staff informs me that for reasons that I

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1 can't understand that the Office of Administrative Law  
2 probably would not want to have a change in the  
3 definition to include swimming pools, but if wading pools  
4 and swimming pools aren't part of a playground, I don't  
5 know what is.

6           So I would hope that for future definitions when  
7 these grants come before us in this specific area, we  
8 broaden our definition. I think we can do that by  
9 regulation. If we can't do it by regulation, then I  
10 would suggest we ask the legislature to make an  
11 affirmative change here.

12           I think it's -- if the area we're concerned  
13 about is playground safety, then I think we'd be playing  
14 ostrich and not paying attention to swimming pools as  
15 part of playgrounds.

16           So that's what I want to bring to the attention  
17 of the Board, and I'm going to vote for this item mainly  
18 because I agree with staff that probably there are no  
19 swimming pools at elementary schools, maybe there are one  
20 or two. So I'm prepared to vote for this, but for the  
21 future, I hate to have that definition without a change.

22           CHAIRMAN EATON: Would you like in addition  
23 perhaps maybe that we request from OAL a clarification  
24 procedure, to include that in a separate letter from what  
25 we're doing?

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1           BOARD MEMBER ROBERTI: Yes, I would.

2           CHAIRMAN EATON: If not, at least have an  
3 affirmative, I guess, response to whether or not that  
4 could be included. And if they say "no," then we can  
5 just amend the regulations at some point. If not, we  
6 have to go what you said would be another type of --

7           BOARD MEMBER ROBERTI: Very good. Yes. If OAL  
8 can handle it, and Kathryn maybe knows the process at OAL  
9 much better than I do, but if they can handle it, that's  
10 probably fine.

11          MS. TOBIAS: Let me suggest. I don't know if  
12 you want to hear the definition right now, just so that  
13 all the Board Members are aware of this, but let me read  
14 it.

15          Playground means "an improved outdoor area,  
16 designed, equipped and set aside for children's play that  
17 is not intended for use as an athletic playing field or  
18 athletic court and includes in that area such facilities  
19 as play equipment, surfacing, fencing, signs, internal  
20 pathways, internal land forms, vegetation and related  
21 structures."

22          So I think that I have no problem going to OAL  
23 and requesting an opinion on that, but I will say that  
24 what that does is takes time. My sense was that at one  
25 time OAL was substantially backed up, and so I think if

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1 you want a safer approach, the safer approach is to go to  
2 look at legislation this year since that's still timely  
3 right now.

4 Perhaps we could pursue both at the same time,  
5 but I would say in terms of getting something from  
6 OAL, plus I'm not sure this language is really going to  
7 be susceptible to that interpretation, that it would be  
8 perhaps a shame to miss the current legislative time  
9 frame to get that in. So perhaps if the Board would like  
10 to see us pursue it on both levels.

11 CHAIRMAN EATON: I can't believe --

12 MS. TOBIAS: And I don't mind at all going just  
13 to OAL, but I do think that may take a little bit of time  
14 and you may lose some time.

15 CHAIRMAN EATON: I don't have any problem with  
16 that. I think we can do both and advise staff to try to  
17 find an omnibus bill, which is a bill that basically  
18 contains no controversy, to the legislature and put that  
19 in definition, that perhaps maybe for clarification  
20 purposes you could bring us back the language to look at  
21 or circulate to the offices and just find an omnibus bill  
22 and work on parallel courses. I don't have a problem at  
23 all, if that's okay with the Board and Senator Roberti.

24 BOARD MEMBER ROBERTI: That's fine.

25 MS. TOBIAS: There might be legislation going

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1 through where this would be appropriate and it would not  
2 be difficult to do.

3 CHAIRMAN EATON: In keeping with past  
4 traditions, and that's why that unique southern  
5 California viewpoint about swimming pools comes into play  
6 because the northern California guys, there's not many up  
7 here. I was just kidding. I never saw swimming pools  
8 either until I lived in southern California for a long  
9 time, but it is something that's very prevalent in the  
10 playgrounds.

11 BOARD MEMBER JONES: Mr. Chairman, these are  
12 emergency regs, so at some point they're going to come  
13 back to us for -- when they become formal regs; correct?  
14 So maybe the letter asking at the same time that these  
15 emergency regs go in, asking for that definition would  
16 give us time that after this is expired, then we can  
17 maybe have an answer to include it when we do the formal  
18 regulations, which would take care of the Senator's  
19 concerns, and I think we still have that window open.  
20 And you can let OAL know that this may be included based  
21 on their definition.

22 MS. TOBIAS: We will definitely pursue from both  
23 sides on our part.

24 CHAIRMAN EATON: All right. So for just  
25 purposes of --

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1 BOARD MEMBER JONES: Mr. Chairman.

2 CHAIRMAN EATON: Mr. Jones.

3 BOARD MEMBER JONES: I will move adoption of  
4 Resolution 2000-191, consideration of adoption of the  
5 proposed emergency regulations for Playground Safety and  
6 Recycling Act Grant, AB 1055, with the amended to include  
7 a letter asking for the definition or inclusion of  
8 swimming pools under the definition of playgrounds, I  
9 guess. That's it.

10 BOARD MEMBER MOULTON-PATTERSON: Second.

11 CHAIRMAN EATON: Okay.

12 Mr. Jones moves and Ms. Moulton-Patterson  
13 seconds that we adopt Resolution 2000-191 as it relates  
14 to emergency regulations.

15 Madam Secretary, please call the roll.

16 BOARD SECRETARY: Board Members Jones.

17 BOARD MEMBER JONES: Aye.

18 BOARD SECRETARY: Roberti.

19 BOARD MEMBER ROBERTI: Aye.

20 BOARD SECRETARY: Moulton-Patterson.

21 BOARD MEMBER MOULTON-PATTERSON: Aye.

22 BOARD SECRETARY: Chairman Eaton.

23 CHAIRMAN EATON: Aye.

24 I also just want to make clarification because  
25 what I didn't hear in the motion, and I don't think it's

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1 proper to be in the motion, that we pursue the parallel  
2 course of legislation. That was not part. That was just  
3 a letter to OAL, but we also want to be able to do that.  
4 If the Board is okay with that, we'll direct the staff to  
5 do that and I know --

6 BOARD MEMBER JONES: That was not --

7 CHAIRMAN EATON: That was not part of the motion  
8 and I want to make sure that was part of the record that  
9 we have that. With that, so shall be ordered. All  
10 right.

11 Item Number 45. You should know, Senator  
12 Roberti, that Ms. Jordan is filling in for Mr. Weiss  
13 today.

14 BOARD MEMBER ROBERTI: Very good.

15 CHAIRMAN EATON: He basically left her in a  
16 lurch because he knew that we would pulverize him with  
17 questions and he was ready and anxious to answer those  
18 questions, but he knew he would never have to answer.

19 Ms. Jordan.

20 MS. JORDAN: Good morning, Mr. Chairman and  
21 Board Members. This is Item 45, discussion of previously  
22 allocated consulting and professional services funds.

23 As we had mentioned yesterday, this is basically  
24 a status update of where we are with regards to the RMDZ  
25 funding as a tire fund allocation will be coming forward

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1 in May and that the Integrated Waste Management Account  
2 at this time did not have savings that were substantial  
3 to be reviewed at this point.

4 With regards to this particular item, I would  
5 like to say that after some consideration, we understand  
6 that there are some concepts that may not have been  
7 approved or have come to light since approval in October  
8 of the original concepts, and what we would like to  
9 propose doing is bringing forward an item for May which  
10 would reallocate the RMDZ funds. So it would be a  
11 reallocation item with regards to the RMDZ funding and  
12 some potential options, and we would like to work with  
13 the Board Member offices in order to meet everyone's  
14 needs.

15 CHAIRMAN EATON: That's fine with me. When do  
16 you think we could get that information to the Board  
17 offices? The May meeting, I believe it is the 17th-18th  
18 or 18th-19th.

19 MS. JORDAN: What I was proposing to do is  
20 actually submitting it next week, understanding that some  
21 of the Board Members are out.

22 CHAIRMAN EATON: That will give us some time  
23 that the Board Members can look at it and take it up,  
24 some of them in terms of presentation in the regular  
25 course of the process, in the advisor meetings and

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1 individual meetings with Board offices.

2 Any objection to that?

3 MS. JORDAN: Thank you.

4 CHAIRMAN EATON: Thank you. All right.

5 Item Number 16, which is the oral presentation  
6 of the statewide disposal characterization study.

7 MS. VAN KEKERIX: Good morning, Board Members.  
8 I'm Lorraine VanKekerix with the Waste Analysis Branch,  
9 and I'm pleased to be here today to give you an update on  
10 the results of the statewide characterization study that  
11 the Board entered into a contract for last year.

12 The characterization of the waste disposed is a  
13 valuable information and tool for both local governments  
14 and the Board in determining what kinds of policy focus  
15 the Board may want to have and what kind of programs the  
16 Board may want to focus on, as well as providing  
17 information for local governments on the types of  
18 programs that will be most effective in achieving the 50  
19 percent diversion by focusing on the materials left in  
20 the wastestream. Nancy Carr with the Waste Analysis  
21 Branch will be giving the presentation.

22 MS. CARR: Good morning, Chairman Eaton and  
23 Board Members. I'm here to tell you about the 1999  
24 statewide waste disposal characterization study.

25 The purpose of the study was to collect

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1 information on the types and amounts of materials still  
2 being disposed in the state's wastestream. The study did  
3 not include collecting information on materials being  
4 diverted by recycling, composting and source reduction  
5 programs.

6 Another purpose was to determine the amount of  
7 RPPCs being disposed statewide, and this data will be  
8 used to calculate the RPPC recycling rate, which is  
9 required by statute. The results of the study will  
10 update the Board's web database, and this is the first  
11 statewide study done by the Board and the first time  
12 information has been updated since 1990.

13 As you may remember, the 1990 studies were done  
14 by local governments and they used different methods and  
15 got varying results from their studies. These studies  
16 were then compiled to estimate the statewide wastestream.  
17 So this is the first time that statewide data is being  
18 collected and we used the Board's standard method and  
19 material type definitions.

20 As Lorraine mentioned, this data can be really  
21 useful for statewide planning and policy decisions, and  
22 it also can be used by local governments as proxy data to  
23 help them understand their own wastestreams so they don't  
24 have to go out and spend a lot of money collecting their  
25 own data. The web database that's going to be updated is

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1 the only one of its kind in the country and it's used by  
2 solid waste planners in other states and also other  
3 countries. And, of course, that database also supports  
4 Board programs for working both with local governments  
5 and businesses.

6 Just to give you one example of what the web  
7 database can use, this is a snapshot from the web page.  
8 I know it's kind of hard to read, but one thing  
9 jurisdictions can do with the database is identify the  
10 business groups in their commercial sector that dispose  
11 of the most waste and then they can start to look at the  
12 materials disposed of by that type of business.

13 This example is for restaurants, and as you  
14 expect, food is the number one type being disposed of by  
15 restaurants, but the number two type is corrugated  
16 cardboard and that's a very recyclable material. So this  
17 kind of information can help jurisdictions look at what's  
18 disposed of by their commercial sector to help them  
19 target programs. One of the main purposes of the study  
20 was to get more information to update and expand this  
21 database.

22 The study included a lot of firsts for data  
23 collection for the Board. This was the first time we did  
24 a statewide survey to break down the wastestream into the  
25 residential, commercial and self-haul sectors. This is

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1 the first time such extensive data was collected directly  
2 from businesses. We sampled from their Dumpsters rather  
3 than garbage trucks at the landfill, so that means we can  
4 find out the types of materials coming directly from the  
5 businesses. When you sample from garbage trucks, you get  
6 all the commercial waste mixed together and you can't  
7 really tell what's coming from where.

8           And we did sample from about 1,200 individual  
9 businesses, so it's the most extensive set of this type  
10 of data in the country, and this will provide an  
11 excellent base for in-depth analysis to focus diversion  
12 efforts, and since it's so extensive it really is unique  
13 in the country and in the world.

14           A little bit on the time line, the contract was  
15 awarded in September of 1998 to Cascadia Consulting  
16 Group. It was augmented in December of '98 and the total  
17 contract amount was \$635,700. Field data collection  
18 occurred between February and September of last year, and  
19 the final report was done in December of last year.

20           I also wanted to mention that this study was  
21 really a cooperative effort. We were out collecting  
22 field data all over the state, and we really wouldn't

23 have been able to do it without the help from solid waste  
24 management companies, disposal sites, haulers, individual  
25 businesses and local governments throughout the state.

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1           Because of the state's size and diversity, this  
2 study really was a huge undertaking. We collected and  
3 analyzed almost 1,700 samples statewide -- as I  
4 mentioned, about 1,200 from individual businesses. We  
5 did work at 25 sites throughout the state and we did  
6 almost 3,700 vehicle surveys at those sites.

7           A few more details, we sampled in the winter  
8 season and summer season of '99. We started out by  
9 dividing the state into five regions. For example, the  
10 central valley was one region, so we grouped similar  
11 counties together. We did sampling and gate surveys at  
12 five randomly picked sites in each region, and we did  
13 generator sampling where we went to the businesses in  
14 that area around the sites at two to three different  
15 sites per region.

16           We did 148 single-family disposal site samples  
17 where we collected samples from garbage trucks that just  
18 had collected from residences, so that's about 30 samples  
19 per region; and 247 self-haul samples, about 50 per  
20 region, and that means taking samples from people that  
21 are hauling their own garbage to the landfill. They're  
22 self-haulers rather than commercial haulers.

23           We also did 80 multi-family residential samples,  
24 and that's from apartment complexes, and that waste is  
25 typically collected with the business waste. So in order

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1 to get good data on that source of waste, you need to go  
2 directly to the apartment complexes and sample from those  
3 Dumpsters, just like we did with the businesses.

4           The 1,200 commercial generator samples were  
5 divided among 26 different business groups, and we  
6 collected 40 to 50 samples per group, and this is the  
7 first time that we've had that many samples for all the  
8 different business groups. We also conducted gate  
9 surveys at all the sites to identify the sector of  
10 origin -- residential, commercial or self-haul -- for  
11 each load coming into the gate during the survey period.

12           Now for the eagerly awaited results. One of the  
13 main things we had to do was determine rigid plastic  
14 packaging containers disposed statewide, and we estimate  
15 that to be about 377,000 tons or 1.06 percent of the  
16 wastestream.

17           This is some information we have for the first  
18 time statewide. It's the contribution of each sector to  
19 the overall statewide wastestream. Commercial is about  
20 49 percent, residential about 38, and self-haul about 13  
21 percent of the overall wastestream.

22           Here's an example of other types of data that we  
23 have. This is material classes in the overall disposed  
24 wastestream. So this chart shows the breakdown into nine  
25 main broad material categories. We also collected data

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1 on 57 individual material types that end up being grouped  
2 into these categories, as well as eight RPPC types.

3           So the number one category statewide is other  
4 organic at about 35 percent, and that includes food  
5 waste, yard waste, textiles and other miscellaneous  
6 organic materials. The number two material type is paper  
7 at about 30 percent, and the number three type is  
8 construction and demolition materials, and these are  
9 materials that we categorize as C&D waste from various  
10 sources, not just from C&D sources, and that includes  
11 materials like concrete, asphalt, gypsum board, lumber,  
12 and other C&D materials.

13           BOARD MEMBER MOULTON-PATTERSON: Excuse me,  
14 Mr. Chairman. I can't read that very well. It's very  
15 difficult to read. Do you have a copy for us?

16           MS. CARR: Yes, I do.

17           BOARD MEMBER MOULTON-PATTERSON: Thank you.  
18 That would be very helpful.

19           BOARD MEMBER ROBERTI: Two copies would be even  
20 better.

21           MS. CARR: These charts are in the executive  
22 summary that was distributed to the Board Members, I  
23 think in January. It may be buried on your desk  
24 somewhere.

25           BOARD MEMBER JONES: Can this be made available

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1 to us --

2 MS. CARR: Absolutely, yeah.

3 BOARD MEMBER JONES: -- a little later?

4 CHAIRMAN EATON: So how much was C&D?

5 MS. CARR: About 12 percent.

6 CHAIRMAN EATON: 12 percent. Okay.

7 MS. CARR: If you want to know some of the other  
8 types, I can read the numbers from my chart.

9 I have three other pie charts, so I'll just go  
10 through them quickly since you're not going to be able to  
11 see them too well. This is for the commercial sector of  
12 the wastestream, and paper is the number one type at  
13 about 39 percent. So it's a little bit higher than the  
14 overall statewide waste disposed wastestream. The number  
15 two type is other organic at about 31 percent, and again  
16 that's food waste and yard waste. And the number three  
17 type is plastic at about 10 percent.

18 BOARD MEMBER ROBERTI: Is that weight or volume?

19 MS. CARR: By weight, yeah.

20 CHAIRMAN EATON: Do you have ways to convert it  
21 into volume?

22 MS. CARR: There is. The next chart is the  
23 residential, and other organic is number one at 45  
24 percent, which makes sense because of the food and yard  
25 waste being disposed. Number two is paper at 27 percent.

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1 And number three again is plastic at about 9 percent.

2 And the last chart is the C&D or the self-haul  
3 wastestream, and this one, this pie chart is different  
4 from the other ones in that C&D waste is the number one  
5 type at about 51 percent, and that makes sense because  
6 about one third of self-haul waste coming into facilities  
7 is from C&D sources. The number two type is other  
8 organic at about 21 percent, and the number three type is  
9 metal at almost 11 percent.

10 This gives you a little bit more detail on the  
11 overall wastestream. This is getting into the detailed  
12 material types now and this is the top ten material types  
13 in the overall statewide wastestream. Number one is food  
14 at about 16 percent. Number two is remainder composite  
15 paper at about 10 percent, and that tends to be the  
16 non-recyclable paper types. Number three is leaves and  
17 grass at about 8 percent, and remainder composite organic  
18 at about 7 percent.

19 So as you can see, there's still a lot of  
20 material that potentially could be diverted that's being  
21 disposed in the state's wastestream.

22 BOARD MEMBER JONES: Question. "The top ten  
23 material types in the overall statewide wastestream" is  
24 the heading. That's the wastestream that is being  
25 disposed of, not generated?

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1 MS. CARR: Right.

2 BOARD MEMBER JONES: So maybe that heading needs  
3 to say, "disposed of" as well because at some point you  
4 put -- at some point did you put what is being disposed  
5 and what is being diverted together to try to get an idea  
6 of the 55 million tons?

7 MS. CARR: No, because we don't collect detailed  
8 information on what's diverted.

9 BOARD MEMBER JONES: And I don't have any  
10 problem with that, I just think the words "disposed  
11 of" needs to be on these so that people don't think --

12 MS. CARR: I think on the version -- this is  
13 included in the executive summary, and I think on the  
14 version that we're distributing it is. It just didn't  
15 get put in here.

16 BOARD MEMBER JONES: Okay.

17 CHAIRMAN EATON: With regard to that, Mr. Jones,  
18 the follow-up question is we don't do what's being  
19 diverted. Is that just something we didn't do or it's  
20 not really -- we don't have the ability to do it or is it  
21 something that we could do in the future?

22 MS. CARR: I think it's something we could do in  
23 the future. Kind of the history is in the base year  
24 studies that local governments did, they did collect  
25 information on their diverted wastestream, but they had a

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1 lot of problems doing it because it's hard to count  
2 source reduction for one thing, and recyclers aren't  
3 always willing to give their proprietary information. So  
4 collecting information on the diverted waste is a lot  
5 more difficult.

6 When we developed our method because of changes  
7 in statute in '92, it was to focus on the disposed  
8 wastestream. That was AB 2494 in 1992.

9 CHAIRMAN EATON: I understood that, I just was  
10 wondering if in the future it would be beneficial, not as  
11 part of the characterization study but if we looked at  
12 it. I understand what you're saying.

13 MS. CARR: I think it's very possible and we're  
14 always getting requests for diversion information that we  
15 don't have a whole lot of. If that's something the Board  
16 would want to do in the future, I think we could do it.

17 CHAIRMAN EATON: Any other questions? Comments?

18 MS. CARR: We actually have two other smaller  
19 studies that we're going to have data on in the next  
20 couple of months. We're going to be getting 170  
21 additional business composition samples in a study we're  
22 doing in Santa Clara County and we're also going to be  
23 getting at least a hundred and the potential for several  
24 hundred more data points on business disposal rates. And  
25 what that helps us determine is how much waste businesses

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1 typically dispose. That's an important information, as  
2 well as the types of material they typically dispose.

3 CHAIRMAN EATON: Can I ask a question with  
4 regard to an issue that was raised? I think it was  
5 either raised by Ms. Moulton-Patterson, but I think it  
6 was Senator Roberti with multi-family, apartments. In  
7 other words, do we have the ability by what's in here to  
8 determine what was put into the wastestream from  
9 apartments versus single-family? I know we have it for  
10 residential versus commercial, but is there a subset?

11 MS. CARR: Yes, we did do that. I didn't  
12 include that in the presentation, but we do have  
13 composition and amounts from the multi-family sector and  
14 the single-family sector, and those two put together are  
15 the overall residential, which is with the information I  
16 included.

17 CHAIRMAN EATON: One of the things that we're  
18 looking at in knowing at least that we've heard not only  
19 from Board Members but local governments, is how hard it  
20 is, property owners and tenants and what have you, but if  
21 we're able to identify with some real reliable data what  
22 it is that they're actually putting in, we might be able  
23 to attack at least a part of that and maybe be able to  
24 sell the apartment owners as well as the apartment  
25 dwellers on a program.

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1            Obviously, yard waste is probably not part of a  
2 great deal because they have other landscape which would  
3 probably be included in the self-haul for multi-family,  
4 but in an apartment you tend to pick up to-go food a lot  
5 more, all kinds of different kinds of materials. So it  
6 would just be kind of -- maybe the next time you come  
7 back you can report to us and look at those subsets for  
8 informational purposes.

9            BOARD MEMBER ROBERTI: Very good.

10           MS. CARR: I actually have just been handed the  
11 multi-family residential composition. What we don't have  
12 but what we can do is kind of lay the multi-family and  
13 single-family side-by-side so you can compare if you  
14 like, but we do have the multi-family data.

15           BOARD MEMBER JONES: Mr. Chairman.

16           CHAIRMAN EATON: Mr. Jones.

17           BOARD MEMBER JONES: I just want to -- Nancy and  
18 Lorraine have been working on this thing for two years.  
19 Unfortunately we've got new Board Members that may -- I  
20 think you guys kind of sold yourselves short in this just  
21 from the standpoint -- for a little bit of history, if  
22 you don't mind, to put this in some kind of context.

23           We had been working off of waste  
24 characterization numbers that were back from 1990's and  
25 dealing with the plastics and dealing with other things.

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1 We really didn't have good data on figuring out how much  
2 of this material was going into landfills as opposed to  
3 being recycled. And the Board took the advantage -- took  
4 advantage of the idea that we needed to really get an  
5 idea of what was going into the landfills, and it was a  
6 monumental event and a monumental task to try to get a  
7 snapshot of the state of California as far as what kind  
8 of waste was going into those landfills so we had a  
9 better idea of what to attack as far as the strategic  
10 plan and to help people, not so much that material that  
11 was being diverted but that material that was still being  
12 thrown away, and to combine it with the RPPC plastics  
13 issues.

14           And when this contract -- this was so  
15 specialized that -- normally we always want a minimum of  
16 three vendors to bid on something like this. We had  
17 actually made it a discussion that there may only be one  
18 to two vendors in the whole state of California that  
19 could even do this and they may end up working together  
20 to do it. And as it turned out, only one proposal came  
21 forward and those people did combine to work to do this  
22 project. That's the magnitude of what this was going to  
23 do.

24           I think that the information is critical for our  
25 focusing. I think that when you live with a project for

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1 two years every day, dealing with people, trying to cull  
2 through garbage, that I would like to see either  
3 individual briefings or another item come forward, but I  
4 think even individual briefings gives everybody the  
5 opportunity to ask a lot more questions, to have this  
6 material that you're putting up on the screen in a form  
7 so we can look through it.

8           And I know I'd like to get a little more  
9 understanding of a couple of those items, and I think it  
10 would be beneficial. In another three or four weeks,  
11 we're going to have another member that is not going to  
12 have the historical perspective of -- you know, I feel  
  
13 for staff because they want to get through this stuff and  
14 sometimes they don't realize that we don't live with  
15 these items every day. We're not as engaged -- we're  
16 engaged, but we don't understand all the detail, and I  
17 don't want you to dismiss the incredible amount of work  
18 you that you guys did because this was a phenomenal piece  
19 of work that's going to be the basis of what other  
20 states, other -- the whole United States is going to rely  
21 on some of this information as a basis.

22           But I think I would feel more comfortable if we  
23 really got into the detail of a lot of this stuff in  
24 individual briefings or something, where people had the  
25 opportunity to really ask questions and get a better

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1 handle on some of this stuff.

2 I don't know how the other Board Members feel  
3 about that, but I think some of that historical  
4 perspective needed to be part of this item because this  
5 is a -- this is truly something that this Board can be --  
6 can feel very, very good about, that they were able to  
7 accomplish this. And you guys should feel very good  
8 about it. It's valuable information.

9 MS. VAN KEKERIX: We'd be happy to provide you  
10 with individual briefings, if you would like, and even a  
11 tour of the web site so that you can go through and see  
12 the way that the data can be used. And we'd be happy to  
13 do that for you individually or if you would want us to  
14 come back with an item.

15 We had been told to give a 10- or 15-minute item  
16 today, but we'd be very happy to go into detail because  
17 we have a lot of information available.

18 BOARD MEMBER MOULTON-PATTERSON: Thank you very  
19 much and thank you, Mr. Jones. I would certainly be  
20 interested.

21 CHAIRMAN EATON: Absolutely. This is probably  
22 more of an appropriate question for Ms. Fish. I can't  
23 let her off the hook, so to speak.

24 (Laughter)

25 MS. FISH: I get that a lot. Come on now.

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1           CHAIRMAN EATON: How was this information, this  
2 characterization study, shared with the rest of the staff  
3 in the divisions here at the Board? Because obviously  
4 everyone does their job, but I know it can be shared as a  
5 web site and all of the other things. Somehow all this  
6 information, all of our divisions or all of our  
  
7 departments, all of our subsections would utilize this  
8 information. And I know that -- has it been done in the  
9 past where we have like at our all-staff meetings a  
10 presentation by the staff as to some of that, or how do  
11 we integrate it to the whole? The sum of the parts make  
12 it a whole, so the information happens to be --

13           MS. FISH: I think this is the first formal  
14 presentation, that it was distributed in the executive  
15 summary and that we know that it is on the web site. So  
16 maybe what we need to do is have some individual  
17 briefings, have this information presented at an  
18 all-staff meeting, as well as then come back to the Board  
19 again, maybe in a couple months, and go through the  
20 information at one time so everybody has the ability to  
21 discuss it and get all their questions answered, as well  
22 as become more knowledgeable.

23           CHAIRMAN EATON: I think if you could, that  
24 would be helpful. Maybe there's other questions that  
25 would be prompted that we haven't looked at because as

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1 Mr. Jones says, they live with it every day.

2 MS. FISH: We could distribute the presentation  
3 in advance so that way people could look through it and  
4 then come prepared with questions.

5 CHAIRMAN EATON: Mr. Jones.

6 BOARD MEMBER JONES: I think, too, if you look  
7 at your 1990 generation studies, and while this is an  
8 apples and oranges, it should tell a story that in 1990,  
9 paper, metal, those types of things were consistently  
10 being thrown away or part of the wastestream. And now  
11 when we look at the thing that is disposed of the most,  
12 it's food, so that you could show the impacts just by  
13 virtue that those materials aren't ending up in the  
14 landfills of those diversion programs. You know what I'm  
15 saying?

16 I think that would be a -- really a stark  
17 comparison through a graph to show what it was when this  
18 state was lucky to even recycle close to 9 percent of the  
19 wastestream and what it is today at 37 percent of the  
20 wastestream and how that -- that food has now moved up to  
21 the number one item going into landfills where before  
22 there were three other -- there were three other items  
23 that were ahead of it. I think that is an important  
24 thing to see.

25 MS. CARR: Actually, the 90-99 comparison I'm

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1 working on right now.

2 BOARD MEMBER JONES: I should have known better.

3 Sorry.

4 MS. CARR: And I did want to say, as Lorraine

5 mentioned, we had been told a 10- to 15-minute

6 presentation, and I'd be happy to talk about this for

7 hours, so be careful what you ask for.

8 BOARD MEMBER JONES: Hey, this is important

9 stuff.

10 CHAIRMAN EATON: Ms. Moulton-Patterson.

11 BOARD MEMBER MOULTON-PATTERSON: Thank you, and

12 we really do appreciate your -- all the information

13 you're giving us. How will this -- I do have one

14 question. How will this be shared with local

15 jurisdictions?

16 MS. CARR: The easiest way is through our web

17 site.

18 BOARD MEMBER MOULTON-PATTERSON: And they'll

19 know -- I mean we'll send something out? How do we let

20 them know?

21 MS. CARR: A lot of times the IMB, our web unit,

22 will put flashes on the Board's main page directing

23 people to what's new, so we could do something like that.

24 BOARD MEMBER MOULTON-PATTERSON: Okay.

25 MS. CARR: I don't know if doing any mailing

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1 would be as effective or you know, but --

2 BOARD MEMBER MOULTON-PATTERSON: It seems like  
3 it would be really important to let them know.

4 Thank you.

5 MS. CARR: I was just reminded our division  
6 sends out a quarterly newsletter on what's coming up and  
7 we're going to have an article on the results in our next  
8 Infocycling Newsletter.

9 BOARD MEMBER MOULTON-PATTERSON: Thank you very  
10 much.

11 MS. CARR: I actually have a couple more slides.

12 One of the things this data set is going to let  
13 us do is in-depth data analysis now that we have this  
14 huge body of data that really has never existed before.  
15 I just wanted to relate this to the statistical expert  
16 contract that you approved yesterday. Having that  
17 statistician will help us to do some in-depth analysis  
18 and also he can train staff to do analysis.

19 One of the things that I'm really hoping to do  
20 with that contract is look at other data that exists from  
21 other studies. Like the City of Ventura and Santa Cruz  
22 County have done generator studies and collected similar  
23 data, and I think there's about another thousand data  
24 points available that we can add to our database really  
25 to develop the most accurate data possible.

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1           In conclusion, one of the main things we found  
2 out was there was a significant amount of divertable  
3 material still being disposed, but now we have an updated  
4 comprehensive set of data that really can help us  
5 understand the wastestream, what's being disposed and  
6 where it comes from. This detailed information can help  
7 target efforts at the statewide level, as well as help  
8 local governments look at their own wastestreams.

9           Are there any other questions?

10           CHAIRMAN EATON: Thank you very, very much. We  
11 look forward to working with you in individual briefings  
12 as well as all-staff and other meetings.

13           I have one speaker slip from Mr. Mike Mohajer  
14 from L.A. County Public Works who would like to speak on  
15 this item.

16           MR. MOHAJER: Good morning, Mr. Chair. My name  
17 is Mike Mohajer, L.A. County Public Works, and I'm also  
18 staff of the L.A. County Integrated Waste Management Task  
19 Force.

20           Ms. Moulton-Patterson raised the specific  
21 question I was going to ask, but I just want to first  
22 congratulate the Board and the Board staff for doing this  
23 waste disposal characterization. As I was looking at the  
24 monitor, I think it's excellent work and we need to get  
25 the word out to the local government.

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1           So from that perspective, I believe it would be  
2   good if the staff would make local presentations on the  
3   result of these tests, and I would like to offer our  
4   facility and advertise and invite the cities in L.A.  
5   County to come to a meeting that we can probably provide  
6   an hour or two discussion of these results so it could be  
7   better used by the local government because I think it's  
8   excellent work and I want to congratulate you.

9           CHAIRMAN EATON: If you can, Ms. Fish, maybe  
10   what we should just do is look at what we have coming up  
11   north, south and central and other places, and just  
12   integrate that as part of it and coordinate with  
13   Mr. Mohajer in his area and coordinate with whomever  
14   might be in San Diego or the central valley and set up  
15   some dates to do that.

16          MR. MOHAJER: And we will do the advertisement  
17   of that.

18          CHAIRMAN EATON: Good.

19          MR. MOHAJER: Thank you.

20          CHAIRMAN EATON: Okay. That's Item Number 16.

21          We have one remaining item, but I understand  
22   we're having some materials copied. They're here? Okay.

23          Item Number 17, discussion and preliminary  
24   analysis of waste disposed and programs implemented by  
25   the residential, commercial and governmental sectors.

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1           Thank you.

2           MS. VAN KEKERIX: This item was requested by  
3 Senator Roberti at a previous meeting. He wanted to have  
4 more information on what was happening with disposal and  
5 diversion by various sectors and Tim Hall in the Waste  
6 Analysis Branch will be making the presentation. It ties  
7 very well with the characterization information that you  
8 just heard.

9           MR. HALL: Excuse me while I get settled.

10           Good morning, Chairman Eaton, Board Members.  
11 I'm Tim Hall from Diversion, Planning and Local  
12 Assistance.

13           At the January 2000 board meeting, the Board  
14 requested that staff return to the April board meeting to  
15 discuss the impact of state agencies and the commercial  
16 and multi-family sectors on the wastestream. I'm here  
17 today to present staff's preliminary analysis of these  
18 issues.

19           First I'd like to talk about the non-residential  
20 sectors. We've divided them into three separate  
21 sectors -- commercial, industrial and government.  
22 Generally the commercial sector consists of businesses  
23 that sell goods and products or provide services. You  
24 can see from the chart that about 77 percent of statewide  
25 employment is in the commercial sector.

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1           The commercial sector is the largest source of  
2 disposal statewide. I'm sorry. That last slide was 77  
3 percent of employment. I don't know if I said "disposal"  
4 or "employment."

5           Now I'm going to move on to disposal. It's  
6 approximately 45 percent of the statewide disposal and  
7 about 78 percent of non-residential disposal. With the  
8 disposal rate of about nine pounds per employee per day,  
9 the commercial sector has the greatest impact on  
10 non-disposal rates in addition to overall disposal.

11           BOARD MEMBER JONES: Nine pounds per person per  
12 day is the commercial sector?

13           MR. HALL: That's the commercial sector, yes.

14           BOARD MEMBER JONES: Okay.

15           MR. HALL: The local impact, as well as local --  
16 as well as disposal rates in the commercial sector depend  
17 on the types of businesses in a community because  
18 different types of businesses have different per employee  
19 disposal rates.

20           Staff found that there's insufficient to  
21 determine relationships between local disposal and  
22 diversion rates and the number or types of commercial  
23 programs in the PARIS database. It is also important to  
24 note that PARIS does not always differentiate between  
25 programs that target commercial versus other sectors.

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1 The reason for this is that local governments are not  
2 required to report this level of detail to the Board.

3 BOARD MEMBER JONES: And that's because they're  
4 fluid; right? They're always changing to deal with the  
5 wastestream as it changes.

6 MR. HALL: Yes, but we don't require them to  
7 report annually on which sector each program targets.

8 BOARD MEMBER JONES: Gotcha.

9 MR. HALL: Moving on to the industrial sector,  
10 generally the industrial sector consists of businesses  
11 that make products or assemble things. This sector makes  
12 up about 18 percent of statewide employment.

13 Approximately 10 percent of statewide disposal  
14 comes from the industrial sector. The industrial sector  
15 also has a per employee disposal rate of about nine  
16 pounds per employee per day. Again, I want to stress  
17 that PARIS programs -- or jurisdictions do not  
18 differentiate between commercial and industrial programs  
19 when they report to us. I'm sorry?

20 BOARD MEMBER ROBERTI: Which programs?

21 MR. HALL: When jurisdictions report to the  
22 Board annually, they don't differentiate between  
23 commercial and industrial when they report their  
24 programs. So therefore, PARIS does not track that  
25 information. PARIS is our program database waste

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1 diversion programs. Sorry about that.

2 BOARD MEMBER ROBERTI: I didn't think you were  
3 talking about France.

4 (Laughter)

5 MR. HALL: That would be nice for us.

6 Now I'll talk about the government sector. This  
7 sector includes federal, state and local government  
8 employees, and approximately 5 percent of statewide  
9 employment is in the government sector. Again, I have a  
10 chart that shows the percentage of employment that is in  
11 the government sector.

12 Approximately 2 percent of disposal statewide  
13 comes from the government sector. With the disposal rate  
14 of about seven pounds per employee per day, the  
15 government sector has the least impact on disposal  
16 statewide except for mobile homes. However, this varies  
17 by region, county and jurisdiction. Staff found that  
18 these variations may be due to local prisons, colleges  
19 and universities, and large projects such as Caltrans  
20 maintenance and road work.

21 We found insufficient data to determine  
22 relationships between disposal and diversion rates and  
23 PARIS program data. Government sector disposal rates  
24 have little impact on non-residential disposal. Any  
25 variation may be due again to the location of prisons,

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1 colleges and universities, and major projects. We have  
2 no data yet on state agency impacts. We should have that  
3 data in databases this summer.

4 Now I'll talk briefly about the residential  
5 sector. We've divided this sector into three  
6 categories -- single-family, multi-family and mobile  
7 homes.

8 Single-family residences contribute  
9 approximately 30 percent of statewide disposal. This is  
10 the second largest source of disposal statewide, second  
11 only to commercial. Residents in the single-family homes  
12 dispose about three pounds per person per day.

13 BOARD MEMBER ROBERTI: And how much do they  
14 generate? They dispose three pounds per person a day.

15 MR. HALL: I would have to look that up. I want  
16 to say between four and four and a half, but I'm not  
17 sure.

18 Once again, because jurisdictions are not  
19 required to specify single- versus multi-family programs  
20 when they report, we don't know whether programs listed  
21 in the PARIS database target single-family, multi-family  
22 or both. Therefore, staff is unable to determine  
23 relationships between disposal and diversion rates and  
24 the percentage of single-family dwellings in local  
25 jurisdictions.

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1           Approximately 12 percent of statewide disposal  
2 comes from the multi-family residences. It's about 20  
3 percent of residential disposal. This wastestream is  
4 often picked up with and included in the commercial  
5 wastestream. We found that they also dispose about three  
6 pound per person per day.

7           BOARD MEMBER JONES: And that's because they are  
8 probably serviced by front loader containers that are on  
9 a commercial route.

10          MR. HALL: Yes.

11          BOARD MEMBER JONES: Picking up stores and stuff  
12 in a front loader that picks up three, four, five yards  
13 at a time? Thank you.

14          MR. HALL: We were unable to determine  
15 relationships between disposal and diversion rate and the  
16 percentage of residences that are in multi-family units  
17 as well. Once again, because jurisdictions are not  
18 required to designate programs as multi-family, PARIS  
19 does not have data on multi-family programs.

20          Finally, mobile homes contribute about 1.5  
21 percent of statewide disposal. They also have a disposal  
22 rate of about three pounds per person per day.

23          I'm going to talk about conclusions now. First,  
24 we found that local wastestreams vary from the statewide  
25 patterns and trends. They also vary from year to year,

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1 depending on changes in the makeup of businesses,  
2 Caltrans projects, et cetera.

3 Another conclusion is that we have very limited  
4 information regarding local disposal patterns. The 1999  
5 statewide disposal characterization study which was just  
6 presented does not include data at the local level. Our  
7 analysis attempted to use characterization data to  
8 estimate local data, but further analysis is required.

9 Once again, state agency data is due in July of  
10 2000, and hopefully this will help us determine local  
11 impacts of state agencies. As I mentioned several times,  
12 jurisdictions report limited program information and,  
13 therefore, PARIS is limited mainly to qualitative  
14 information that tracks whether a jurisdiction has a  
15 program but it does not track the level of participation  
16 or implementation or such as the percentage of population  
17 or the percentage of businesses served.

18 It also does not track programs by sector.  
19 Residential programs are not split into single- versus  
20 multi-family. Commercial programs do not specify whether  
21 they are commercial or industrial and sometimes even  
22 overlap with government and residential.

23 We also have limited data on residential and  
24 non-residential sectors. For instance, we had to  
25 estimate the population in single- and multi-family and

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1 mobile homes using 1990 census data because no one seems  
2 to track this data any longer.

3           We have issues with disposal data.

4 Jurisdictions estimated in their base years the amount of  
5 waste that was residential. Some of those base years are  
6 ten years old now and the residential percentages might  
7 have changed since then. When staff developed the  
8 disposal reporting regulations, we tried to include  
9 reporting that would have yielded ongoing estimates of  
10 contributions by each sector, but industry and the  
11 counties felt this was too burdensome and not practical.  
12 The Disposal Reporting System has some local allocation  
13 issues that have to be ironed out.

14           And then on the business side of things, we have  
15 several sources of information on the types of businesses  
16 and the numbers of employees in each those businesses,  
17 but these sources all have different methods of  
18 estimating and, therefore, they all disagree.

19           Finally, I'd like to take this opportunity to  
20 make a few recommendations. First, state agency data  
21 will be in databases this summer and this may help us  
22 with our analysis of local wastestreams. PARIS needs to  
23 be revised to include quantitative information such as  
24 the level of participation or implementation, including  
25 the percentage of the population served, the types and

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1 percentages of business targeted by the programs.

2 We also need to differentiate between sectors.

3 We will begin working on the statistics contract which  
4 was awarded by the Board yesterday. That contract will  
5 examine how different economic and demographic factors  
6 influence waste disposal and generation. We'll also use  
7 that contract to analyze the data from the 1999 disposal  
8 characterization study at the local level.

9 We'll be examining Disposal Reporting System  
10 allocation issues such as whether the quarterly week-long  
11 survey frequencies are statistically valid at all  
12 landfills. We'll look at anomalies in disposal reporting  
13 data like uncharacteristic spikes or dips in local  
14 disposal tonnage, and we'll look at trends and waste  
15 sheds in the Disposal Reporting System.

16 We will also look at different sources of  
17 business information, looking for similarities as well as  
18 differences in the data sets. Finally, we'll look at per  
19 resident and per employee disposal rates as indicators of  
20 progress in addition to diversion rates.

21 And that concludes my presentation. Are there  
22 any questions?

23 CHAIRMAN EATON: Questions? Senator Roberti.

24 BOARD MEMBER ROBERTI: First, Mr. Chairman, I  
25 would like to say this is an excellent report and I

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1 appreciate it very much and it will be very helpful to  
2 me.

3 I hope at a future meeting -- I'm not asking for  
4 it now -- that we have the diversion data to the extent  
5 that we can have it from, I guess, base year adjustments.

6 MR. HALL: We do have some of that data here.

7 MS. VAN KEKERIX: We did develop some  
8 preliminary diversion program data which we can give you.  
9 This is taken from a sampling of the new generation  
10 studies.

11 BOARD MEMBER ROBERTI: Very good.

12 MS. VAN KEKERIX: It isn't going to be all  
13 jurisdictions on a statewide basis because we have a  
14 limited number of new base year generation studies.

15 BOARD MEMBER ROBERTI: So this is a sampling of  
16 them.

17 MS. VAN KEKERIX: Right.

18 MR. SITTS: And basically -- John Sitts, Waste  
19 Analysis Branch. One of the things that you can see from  
20 this is that in the far right column, there's a reliance  
21 on the different sectors. There's just a number. The  
22 higher that number is, the more they rely on the  
23 residential sector to have more diversion. When you get  
24 to one, that means that it's a pretty balanced effort  
25 between the residential sector and the commercial sector

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1 based on the size of those sectors as well. And then the  
2 lower number you get, that means they're relying more on  
3 the commercial sector for diversion rather than on the  
4 residential sector.

5 In this sampling of approximately 40  
6 jurisdictions, about ten of them rely more heavily on the  
7 residential sector and about 30 of them rely more heavily  
8 on the commercial sector for the diversion.

9 BOARD MEMBER ROBERTI: Is that based on a  
10 relationship to the amount of waste generation?

11 MR. SITTS: Yes. So if you had half of your  
12 wastestream was residential and half of your wastestream  
13 was commercial, you would expect that half of your  
14 diversion was residential and half was commercial.

15 BOARD MEMBER ROBERTI: You would get a one in  
16 that case.

17 MR. SITTS: Yes. In that case you get one. In  
18 the other columns it lists what percentage of the  
19 generation is residential and then what percentage of the  
20 generation is non-residential, and then also the  
21 percentage of diversion that's residential and not  
22 residential diversion as well.

23 BOARD MEMBER JONES: Mr. Chairman.

24 CHAIRMAN EATON: Mr. Jones.

25 BOARD MEMBER JONES: This is an incredible --

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1           CHAIRMAN EATON: Chart.

2           BOARD MEMBER JONES: -- chart because I think  
3 this could be used for a tool for a show-me to an awful  
4 lot of local jurisdictions, and one of the issues we have  
5 is you know, the city that's 10 percent residential and  
6 90 percent commercial and puts a curbside recycling  
7 program and doesn't attack the commercial sector. This  
8 would be the kind of thing that you would want to really  
9 let them understand, and I think this is a great chart.

10          BOARD MEMBER ROBERTI: It's so good that to the  
11 extent that you can give us all the jurisdictions, I'd  
12 like to see it now.

13               (Laughter)

14          MR. SITTS: As part of the new base years  
15 coming forward?

16          BOARD MEMBER ROBERTI: Especially as Mr. Jones  
17 was alluding to, when they come before us wanting --  
18 what's our word? Variances, extensions, just a referral  
19 to this and then have them explain would be very helpful.

20          MR. HALL: I think this combined with the per  
21 capita or per employee disposal rates makes some  
22 interesting data.

23          CHAIRMAN EATON: Ms. Moulton-Patterson.

24          BOARD MEMBER MOULTON-PATTERSON: Just a comment  
25 along those lines, Mr. Chairman. Just to take it from my

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1 own experience in Huntington Beach, you know, I remember  
2 really, really certainly leaning on the residents and on  
3 the haulers, but I don't remember anyone ever saying hey,  
4 we've really got to go after -- well, it was -- I forget  
5 what it was. It's Boeing now -- or the Waterfront Hilton  
6 or any of those and we just didn't do it.

7 We look at this and it hits you in the face how  
8 unfair it is. I don't know where we go from there, but  
9 it really is not fair.

10 CHAIRMAN EATON: I think one of the places we  
11 could go is perhaps to follow up next month, which we  
12 didn't have this month, we're going to be taking up the  
13 extension, 1066 principals and so on and so forth.  
14 Perhaps staff could come back to see what we can get, as  
15 Senator Roberti said, for expanding it, what would it  
16 take. Go ahead.

17 BOARD MEMBER ROBERTI: Is multi-family included  
18 in residential?

19 MS. VAN KEKERIX: What the jurisdictions have  
20 done on the new generation studies is they have tended to  
21 lump all of residential together. So multi-family as a  
22 subsection of residential has not been separated out by  
23 most of the jurisdictions.

24 BOARD MEMBER ROBERTI: Because we'll have to ask  
25 that question. You may not be able to get that

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1 information then based on what you have, but to the  
2 extent that there is residential performance, it could  
3 be, it could be, strictly single-family performance and  
4 the apartment houses aren't being asked to do as much and  
  
5 sort of getting lost in the statistics. This is my  
6 suspicion. I could be totally, a hundred percent wrong,  
7 but I guess my suspicions are just strictly borne out by  
8 where I live when I see the blue cans coming out of the  
9 residences and the apartments don't have to do anything.

10           Maybe there's another method, but see, I think  
11 commercial, they do have the bottom line benefit of once  
12 they're educated in the fact they can cut their expenses  
13 down, they may perform, but I don't know if we have  
14 anything comparable as far as --

15           CHAIRMAN EATON: No one cuts the rent.

16           BOARD MEMBER ROBERTI: You don't cut the rent.  
17 You don't cut the gardener, I think. He's still going to  
18 mow the lawn.

19           CHAIRMAN EATON: And cities and counties don't  
20 cut the service charge that they have for their public  
21 contracts because they're fixed.

22           BOARD MEMBER ROBERTI: To the extent we could  
23 find that information, it would be great. And I don't  
24 know if you can and I'm not faulting you if you don't  
25 have it.

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1           MR. HALL: That's one of the revisions that  
2 we're recommending for PARIS is to differentiate between  
3 sectors and then to give us the percentage of their  
4 implementation or participation, so to not only say that  
5 we have a residential curbside program that could be  
6 single- or multi-family, but to split that and say yes,  
7 we have a single-family curbside program, we also have a  
8 multi-family on-site program, and this is the percentage  
9 of apartment dwellings that get that service.

10           CHAIRMAN EATON: Ms. Moulton-Patterson.

11           BOARD MEMBER MOULTON-PATTERSON: Mr. Chair, I  
12 was just wondering. Have we, as a state board, or to  
13 your knowledge have jurisdictions or counties met with  
14 the apartment owners association to try to let them know  
15 that we think this is really important that they  
16 participate also?

17           CHAIRMAN EATON: I'm not aware of any dealings  
18 with individual Board Members. The staff may have had in  
19 their own as projects have arisen, but I see some nods  
20 and shakes of the head, but we have a record that is oral  
21 in nature. So Ms. Morgan, if you would care to comment  
22 on that.

23           MS. MORGAN: Cara Morgan, Office of Local  
24 Assistance. Thank you.

25           Board Member Moulton-Patterson, yes, we have

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1 actually formed a partnership with BOMA, which is --  
2 excuse me, Senator, if I screw up on this acronym, but  
3 it's the Building and Office Managers Association of  
4 California.

5 BOARD MEMBER ROBERTI: Business Office Managers  
6 Association.

7 MS. MORGAN: Building and Office Management  
8 Association, something like that. Anyway, they're the  
9 folks that manage apartment buildings, large office  
10 complexes and such, so more of the multi-family and large  
11 office sector.

12 Our staff have gone out to some of their  
13 statewide regional meetings and made presentations and  
14 formed some partnerships. So I think in the future  
15 there's an opportunity for us to possibly have some Board  
16 Members maybe make a presentation at some of their  
17 statewide conferences. I think there's an opportunity in  
18 the future to continue those relationships with their  
19 organizations.

20 The feedback we received from BOMA, this  
21 management group, was very positive. They were very  
22 excited to learn more about how they could implement  
23 waste diversion programs into their multi-family  
24 complexes and business office sectors.

25 BOARD MEMBER MOULTON-PATTERSON: I think that's

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1 great you're doing that and I know there is a large  
2 California Apartment Owners Association and also a Mobile  
3 Home Park Owners Association, you know. So we could  
4 maybe further those efforts.

5 MR. MORGAN: And maybe we can follow up because  
6 I don't think we've actually done anything with the  
7 mobile home sector at all. I think there's opportunity  
8 there.

9 CHAIRMAN EATON: Perhaps I can make this  
10 recommendation, that GSMOA, Golden State Mobile Home  
11 Owners Association, perhaps maybe we can do this. Would  
12 you like a letter prepared, Ms. Moulton-Patterson, for  
13 your signature or the Board Members' signature, and what  
14 we could go through is at least in the statewide lobbies  
15 some of us have information as to the apartment owners  
16 association, inviting them to come to the Board and have  
17 a discussion on this or individual. That's one way to  
18 approach, to start dialogue and help the staff out.  
19 That's one way.

20 BOARD MEMBER ROBERTI: One way. Maybe -- excuse  
21 me.

22 BOARD MEMBER MOULTON-PATTERSON: I was just  
23 going to differentiate between that GSMOA, Golden State.  
24 That's the people that live there, but the owners are a  
25 totally different group that we might want to --

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1           CHAIRMAN EATON: Absolutely.

2           BOARD MEMBER MOULTON-PATTERSON: As you might  
3 know.

4           BOARD MEMBER ROBERTI: Maybe a --

5           CHAIRMAN EATON: One without the other, we'd be  
6 in more trouble.

7           BOARD MEMBER ROBERTI: Maybe a softer way of  
8 doing it would be that we're going to have a discussion  
9 on multi-unit diversion, we would like your input. Just  
10 come in and have a discussion. The other sounds more  
11 like a summons, which I don't have a problem with  
12 personally, but you know.

13          BOARD MEMBER JONES: Mr. Chairman.

14          CHAIRMAN EATON: Keep those cards and letters  
15 coming. When is the multi-family discussion? Have we  
16 set it?

17          BOARD MEMBER ROBERTI: No. No, but we ought to.  
18 We ought to.

19          CHAIRMAN EATON: That way we could do the  
20 kinder, softer, gentler approach.

21          BOARD MEMBER ROBERTI: And we should do this,  
22 the multi-family.

23          BOARD MEMBER JONES: I think this, you know --  
24 it's different in a lot of different jurisdictions, and I  
25 think it's a good tool for TIA to use as to what those

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1 sectors really are as far as the amount of people that  
2 are living within each jurisdiction, but I know that -- I  
3 think Riordan came out not too long ago in the City of  
4 L.A., even with their 48 percent or whatever, that he  
5 wanted -- he's instructed their staff to start working  
6 with the apartment owners in the City of L.A. to start --

7 BOARD MEMBER ROBERTI: Right.

8 BOARD MEMBER JONES: -- figuring out --

9 BOARD MEMBER ROBERTI: And the reason for that  
10 is he discovered, as many other jurisdictions discover,  
11 is the reason why you have to have landfills like  
12 Sunshine Canyon, which is causing him an enormous  
13 headache, is that we aren't looking to the entire  
14 wastestream --

15 BOARD MEMBER JONES: Right.

16 BOARD MEMBER ROBERTI: -- for diversion.

17 BOARD MEMBER JONES: Right.

18 BOARD MEMBER ROBERTI: When I was giving the  
19 WRAP award to the Gene Autry museum, one of Mr. Riordan's  
20 reps was there on the day -- this was the date of the  
21 city council permitting Sunshine, and all of a sudden,  
22 "You're on the Waste Board?" "Of course I'm on the Waste  
23 Board. That's why you're here and I'm here." He said,  
24 "You know, I think we should do more about multi-family  
25 diversion," because simply when the politics get hot, it

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1 gets hot and --

2 BOARD MEMBER JONES: Sure.

3 BOARD MEMBER ROBERTI: -- I think they're

4 escaping more than commercial are --

5 BOARD MEMBER JONES: Absolutely.

6 BOARD MEMBER ROBERTI: -- escaping, if

7 commercial is escaping at all. The year and a half I've

8 been here, I do not recall -- this is not our fault

9 simply because one comes into us --

10 BOARD MEMBER JONES: Right.

11 BOARD MEMBER ROBERTI: I don't recall any permit

12 from the local area or anything, any discussion from the

13 local area on what they're doing in the multi-family area

14 because I don't think anybody is doing too much of

15 anything, is my suspicion.

16 BOARD MEMBER JONES: A couple of the base year

17 adjustments we've seen have had multi-family marked that

18 they've had programs. A lot of them had it marked and no

19 programs. I think that if we're going to -- you know, I

20 don't care how we're going to do this thing. I think

21 it's important to do, but I'd like to see similar to

22 maybe some of the discussions where we had panels. I

23 don't care what the format is, but a huge piece of this

24 is local ordinances.

25 Part of the problem in some jurisdictions or

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1 maybe some of the excuses in some jurisdictions is  
2 nowhere to put bins, which becomes a physical problem,  
3 but it also -- if you've got local governments that are  
4 willing to make changes in their ordinances and stuff,  
5 they can help facilitate that.

6 BOARD MEMBER ROBERTI: And I am told there --  
7 and another problem is people just vandalizing or dumping  
8 in the bins, but I'm told that there are bins that can be  
9 constructed in such a way that can control a chunk of  
10 this. At any rate, we should be more conversant  
11 ourselves on whose out there.

12 BOARD MEMBER JONES: I agree. I agree.

13 CHAIRMAN EATON: Ms. Moulton-Patterson.

14 BOARD MEMBER MOULTON-PATTERSON: Well, you just  
15 suggested that maybe when we're in southern California in  
16 August, we might convene something like this. So maybe  
17 staff could look into our options.

18 CHAIRMAN EATON: The Senator had talked about  
19 multi-family. It's an area --

20 BOARD MEMBER ROBERTI: When is the -- when is  
21 it? August? I would like to gear it toward the August  
22 meeting that we have a multi-family discussion.

23 CHAIRMAN EATON: And then at that time and in  
24 the meantime we could work with you, with our individual  
25 offices of people we know in the area. I know for

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1 instance in Los Angeles, the Los Angeles Apartment Owners  
2 Association is a huge organization, everywhere in Orange  
3 County, and all of them. We could go there and invite  
4 some northerners.

5           Without any problem, we can direct staff that on  
6 the August agenda we would have a discussion of

7 multi-family housing and their efforts at diversion and  
8 so on and so forth.

9           BOARD MEMBER JONES: Mr. Chairman.

10          CHAIRMAN EATON: Mr. Jones.

11          BOARD MEMBER JONES: Just one quick thing is  
12 that the -- if they're identified in the SRRE that  
13 they're doing multi-family and stuff, I think that that  
14 in my mind lets you know how that stuff should be split  
15 out.

16           I think if we start getting into number  
17 crunching to determine -- and one of the reasons that I  
18 worry about that -- I like seeing as part of the SRRE  
19 multi-family residential, but to try to get the amount of  
20 information that you would need to be able to  
21 substantiate how much of that waste, it may be irrelevant  
22 and it's going to be hard to pick up because those  
23 apartment buildings that need to have toters or, you  
24 know, the 32-gallon garbage can are going to be picked up  
25 with a different type of truck than those jurisdictions

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1 that can have a front loader go in. Those are  
2 historically commercial, and I think to try to go down  
3 that road of determining what percentage of the  
4 wastestream is being picked up commercially and  
5 residentially, do we care?

6           It will give you such a nightmare and the local  
7 jurisdictions that they will be able to call us bean  
8 counters, and I think that having the SRRE say that they  
9 do these programs and what percentages of the residential  
10 is multi-family would give us -- would give me, anyway, a  
11 feeling of understanding that wastestream.

12           I just throw that out to other Board Members  
13 because of the way that this stuff is collected. It may  
14 be information that we would never get and we would be  
15 spending a lot of time, effort to actually figure it out,  
16 if you know what I mean. It doesn't hurt.

17           BOARD MEMBER MOULTON-PATTERSON: I guess what I  
18 would want is, as one Board Member is, just to kind of  
19 bring the parties to the table --

20           BOARD MEMBER JONES: Absolutely.

21           BOARD MEMBER MOULTON-PATTERSON: -- to explore  
22 how we can get this done --

23           BOARD MEMBER JONES: Yeah.

24           BOARD MEMBER MOULTON-PATTERSON: -- you know,  
25 not -- not with adding huge local problems --

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1               BOARD MEMBER JONES: Yeah.

2               BOARD MEMBER MOULTON-PATTERSON: -- or huge  
3 problems to the haulers but just to find out what we're  
4 not doing and what we could do better.

5               BOARD MEMBER JONES: No, I absolutely want to do  
6 that. I just didn't want us to get hung up on does it  
7 get picked up in a residential truck or a commercial  
8 truck because that's irrelevant and you don't want to  
9 waste your time. You know?

10              MS. VAN KEKERIX: Can I get some clarification  
11 on the chart?

12              CHAIRMAN EATON: Sure.

13              MS. VAN KEKERIX: I think that Senator Roberti  
14 had asked about getting information out to jurisdictions.  
15 Is that correct? We're only going to be able to put on  
16 the chart if you want to have up-to-date information  
17 people that have done a new generation study. If we're  
18 dealing with the bulk of the jurisdictions that have that  
19 1990 base year, we could put a chart together but the  
20 information, I believe, would be very out-of-date.

21              I think that a lot of communities have changed  
22 over the last ten years. So if you'd like us to  
23 distribute up-to-date information, we can go with the new  
24 generation studies. We can put the other information  
25 together and send it out, but it may be out-of-date if

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1 we're going on the 1990 base years.

2 BOARD MEMBER ROBERTI: I would separate them. I  
3 would like all the information but obviously new  
4 generation studies are much more helpful, but -- so  
5 separate those out and on one sheet and on another sheet,  
6 you know, ask the questions. They may have good answers  
7 on an out-of-date study, but I really think that to the  
8 extent we get all of the information, this is just so  
9 relevant when an extension is asked for because frankly,  
10 it's the politics of the situation as much as anything,  
11 and that is a lot of jurisdictions, I suspect, would  
12 rather have us give them an extension than have to ask a  
13 powerful group within their constituency to have to  
14 participate in the programs, whereas other jurisdictions,  
15 being much more environmentally oriented, are willing to  
16 do it all. My suspicion.

17 I don't know if this is the case, but it  
18 certainly helps all of us if we have the data. I  
19 recognize, the Members sure recognize, that the new  
20 generation studies are much more helpful, but --

21 MS. VAN KEKERIX: The old ones, many times they  
22 missed whole sectors. There will be some problems with  
23 those. We can put that together.

24 CHAIRMAN EATON: Okay. And if one other thing  
25 if you could do, was it the City of Sacramento or the

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1 County of Sacramento that recently passed --

2 MS. MORGAN: City.

3 CHAIRMAN EATON: They passed an ordinance or  
4 resolution?

5 MS. MORGAN: I don't know for sure if it was  
6 passed, but we have been working with them. We could  
7 find out.

8 CHAIRMAN EATON: The reason why, it might be  
9 nice to have a sample for us to look at when we have this  
10 discussion as to what other cities may have done. L.A.,  
11 were you saying, was proposing or thinking about  
12 proposing --

13 BOARD MEMBER ROBERTI: The mayor has been  
14 talking about it, and I think because suddenly it's  
15 hitting people that siting is directly related to the  
16 demands that you place on various groups on diversion.

17 CHAIRMAN EATON: So if any of those model  
18 ordinances or ordinances that may have been passed  
19 because I do believe as well that one of the legitimate  
20 points that you will see is the lower income and people  
21 of colored neighborhoods, minority neighborhoods, tend to  
22 have less recycling or diversion. And perhaps if there's  
23 an over-concentration of apartments, that helps solve  
24 some of that problem as well. I don't know if that's a  
25 linkage, but that's what we're trying to do is draw some

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1 sort of link. Maybe the model ordinances would be  
2 helpful.

3 Okay. Thank you very much. Any other  
4 questions? Hearing none, that I believe is the last item  
5 for the April board meeting before we go to Visalia. So  
6 without objection --

7 BOARD MEMBER ROBERTI: Visalia is in May?

8 CHAIRMAN EATON: Visalia is in May, and that  
9 will be two days because the second day will be devoted  
10 to the extension principals, 1066, and we have a short  
11 closed session.

12 So without objection, we'll adjourn the April  
13 board meeting. I want to thank Selma and Jeannine for  
14 filling in today on such short notice due to personal  
15 emergencies of the two individuals who normally occupy  
16 those chairs. Thank you, and thank you for not taking a  
17 break today and going two hours.

18 And without objection, we'll stand adjourned  
19 until May. Thank you.

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1 STATE OF CALIFORNIA

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4 I, Terri L. Emery, CSR 11598, a Certified  
5 Shorthand Reporter in and for the State of California, do  
6 hereby certify:

7 That the foregoing proceedings were taken  
8 down by me in shorthand at the time and place named  
9 therein and was thereafter transcribed under my  
10 supervision; that this transcript contains a full, true  
11 and correct record of the proceedings which took place at  
12 the time and place set forth in the caption hereto.

13

14

15 I further certify that I have no interest  
16 in the event of the action.

17

18

19 EXECUTED this 26th day of May, 2000.

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Terri L. Emery

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